



ICAO

*International Civil Aviation Organization***INFORMATION PAPER****Tenth Meeting of the Asia/Pacific Meteorological Requirements Working Group (MET/R WG/10)**

Virtual Meeting (Online), 24 – 28 May 2021

**Agenda Item 5: Coordination between MET and ATM services****INFORMATION EXCHANGE BETWEEN AVIATION MET AND ATM SERVICES  
IN NEPAL**

(Presented by Nepal)

**SUMMARY**

This paper provides brief overview of the current status and future areas of coordination for the information exchange between MET and ATM services for safety of aircraft operation in Nepal.

**1. INTRODUCTION**

1.1 Entities responsible for Aviation MET and ATM services have been working together for safe and smooth aviation operation in Nepal. The Aviation MET services provided are in accordance to ICAO Annex 3. This paper briefly describes the current collaboration between MET and ATM services and future areas of cooperation.

**2. DISCUSSION**

2.1 Meteorological Forecasting Division (MFD) of Department of Hydrology and Meteorology (DHM) has been working with Civil Aviation Authority of Nepal (CAAN) as per the Operational Level Letter of Agreement and Memorandum of Understanding signed between the two institutions to provide Aviation MET services for the safety of aircraft operation.

2.2 DHM provides aviation meteorological services for seven domestic controlled airports and one international airport (Tribhuvan International Airport, Kathmandu) in Nepal.

2.3 DHM is currently providing aviation weather related services (METAR, SPECI, TAF and SIGMET) in TAC through AMHS. DHM is working towards providing Aviation MET bulletins in IWXXM version 3.0 for ATM services. The necessary software for IWXXM MET bulletin generation has already been installed in MET premises at Tribhuvan International Airport, Nepal. However, IWXXM dissemination to OPMET is pending awaiting the upgrade in AMHS.

2.4 DHM is also working towards safety reporting to contribute for Air Traffic Services Safety Management System (SMS) in coordination with CAAN. The manual for safety reporting has been prepared by CAAN and DHM is working on meeting the safety standards and best practices in the way of mitigating the safety risks associated with the MET operational hazards.

**Agenda Item 5**

24-28/05/21

**Future Plans**

2.5 DHM is committed to provide IWXXM messages into OPMET data bank through the improved AMHS system of CAAN.

2.6 With the ongoing modernization of the MET infrastructures and systems (installation of RADAR, Lightning Network, Radiosonde, RVR, AWOS/AWS etc), DHM is planning to improve and extend aviation MET services to CAAN.

2.7 DHM is also planning to provide Aviation MET services to two under construction international airports of Nepal, once the construction is completed and to the domestic airports upon request from CAAN in future.

2.8 DHM is planning to introduce QMS in the delivery of MET Services for aviation users in compliance to the relevant SARPs mentioned in Annex 3.

**3. ACTION BY THE MEETING**

3.1 Note the information contained in this paper.

-----